

PATENT APPLICATION  
Docket No. 27889-00037

18. The cooling apparatus of claim 17, wherein said wick is a metal screen.

19. The cooling apparatus of claim 14, further comprising at least one thermoelectric cooling unit disposed between said at least one heat generating component and said first exterior extrusion surface.

20. The cooling apparatus of claim 14, wherein a plurality of said low profile extrusions are mounted as fins on a heat sink. --

REMARKS

This application has been carefully reviewed in light of the Office Action mailed on November 24, 1999. Claim 1 is amended and claims 2-20 are added as set forth above. The specification has been amended to more clearly describe one preferred embodiment of the micro tubes as shown in Figures 7 and 8; however, no new matter has been added to the application. Applicants respectfully request reconsideration of this application and favorable action on all of the remaining claims in this case in view of these amendments and the following remarks.

102(e) Rejection of Claim 1

Claim 1 was rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent 5,636,684 issued to Teytu et al. ("Teytu"). Specifically, the Office Action notes that Teytu discloses the claimed invention in Figures 1-8 and in column 1, line 7 through column 2, line 25 of the specification. However, Applicants respectfully submit that claim 1 is not anticipated by the Teytu reference for the reasons set forth below.

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Claim 1 requires *inter alia*, in a cooling apparatus, a low profile metal extrusion which provides an entirely metallic thermal path for conducting heat to a fluid passing through the extrusion. Applicants respectfully submit that Teytu does not teach or suggest an entirely metallic thermal path within an extruded member. In contrast to the cooling apparatus of the present invention, Teytu shows a device which is not extruded at all, but rather is formed of a metal body which is bored out and fitted with non-metallic ceramic tubes. The gaps between the metal body and the inserted ceramic tubes are then filled with a third material or a thermal flux. Therefore, Applicants respectfully submit that claim 1 and each of its dependent claims are not anticipated by and are patentable over the Teytu reference.

Comments on Claims 8-20

As with claim 1, Applicants respectfully submit that claims 8 and 14 are not anticipated by the Teytu reference. Claim 8 requires *inter alia*, a low profile extrusion having flattened exterior and interior surfaces. Teytu is silent in this regard and it would not seem obvious to drill a rectangular or other non-circular geometry orifice in the body of this device. Claim 14 requires *inter alia*, a low profile extrusion having an evaporator section and a condenser section and in which the micro tubes are sealed at opposite ends. Teytu is silent regarding this embodiment as well. Therefore, Applicants respectfully submit that claims 8 and 14 and each of their dependent claims are not anticipated by and are patentable over the Teytu reference.

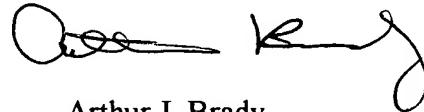
Conclusion

Applicants have now made an earnest attempt to place this case in condition for allowance. For the foregoing reasons and for other reasons clearly apparent, Applicants respectfully request reconsideration of this application and allowance of claims 1-20.

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The Commissioner is hereby authorized to charge any amount required or credit any overpayment to Deposit Account No. 10-0447 of JENKENS & GILCHRIST P.C.

Respectfully submitted,  
JENKENS & GILCHRIST P.C.  
Attorneys for Applicants



Arthur J. Brady  
Reg. No. 42,356

3200 Fountain Place  
1445 Ross Avenue  
Dallas, TX 75202  
tel. (214) 855-4182  
fax (214) 855-4300